

## **PUBLIC NOTICE OF A DRAFT AIR PERMIT**

State of South Carolina (SC)  
Department of Health and Environmental Control (DHEC)  
Bureau of Air Quality (BAQ)  
2600 Bull Street  
Columbia, South Carolina 29201  
(803) 898-4123

Public Notice #08-092-PSD-N

Date: October 7, 2008

**AMERESCO BIOMASS COGENERATION FACILITY  
BURMA ROAD  
AIKEN, SOUTH CAROLINA  
(AIKEN COUNTY / REGION 5 AIKEN EQC OFFICE)  
AIR PERMIT NO. 0080-0144-CA**

Ameresco Federal Solutions (Ameresco) under contract with the Department of Energy has applied to the SC DHEC, BAQ, for a Prevention of Significant Deterioration (PSD) air permit to construct and operate a new biomass-fired cogeneration plant in Aiken, South Carolina. A Preliminary Determination, Draft PSD Construction Permit, and Statement of Basis have been written by the BAQ outlining this proposed project and applicable regulations. In addition to other state and federal air quality regulations, the draft permit is subject to review under SC DHEC Regulation 61-62.5, Standard No. 7 "Prevention of Significant Deterioration (PSD)." This regulation is equivalent to Title 40 of the Code of Federal Regulations, Part 52.21 "Prevention of Significant Deterioration of Air Quality." Under these regulations, a facility must demonstrate that it will not significantly deteriorate the air quality in its region prior to constructing or modifying sources of air pollutants. The draft permit has not yet been approved and is open to comment from the public, the United States Environmental Protection Agency (EPA), the Federal Land Manager, the chief executives of Aiken County and the City of Aiken, and the lower Savannah Council of Government.

Ameresco is proposing to construct two (2) large biomass boilers to provide electricity and process steam to major areas of the Savannah River Site (SRS), and two (2) small biomass-fired steam generation units in the K and L Areas of the SRS. This project involves retirement of the D-Area powerhouse currently permitted under TV-0080-0044, and two small oil fired boilers in K-Area currently permitted under TV-0080-0041. Emissions from this plant will include Particulate Matter (PM), PM less than 10 Microns in Diameter (PM10), Sulfur Dioxide (SO2), Nitrogen Oxides (NOx), Carbon Monoxide (CO), Volatile Organic Compounds (VOCs), and other Hazardous Air Pollutants (HAPs). If this permit is approved, federally-enforceable emission limits of less than 10 tons per year (TPY) of any single Hazardous Air Pollutant (HAP), and less than 25 TPY of any combination of HAPs, will be established with this permit thereby enabling the facility to remain below applicable Maximum Available Control Technology (MACT) Standards as defined by Title 40 of the Code of Federal Regulations, Part 63, "National Emission Standards for Hazardous Air Pollutants for Source Categories." The maximum degrees of Class II PSD increment consumption resulting from the proposed project are predicted to be: PM10, 24-hour increment: 31.7%; PM10, annual increment: 41.4%; Sulfur Oxides (SOx), 3-hour increment: 6.0%; SOx, 24-hour increment: 9.9%; SOx, annual increment: 5.6%; Nox, annual increment: 10.7%; CO, 1-hour increment: 8.8% and 8-hour increment: 18.8%.

If this permit is approved, Ameresco will be considered a major source for Title V applicability purposes. Therefore, the facility will be required to submit a Part 70 (Title V Operating) permit application must be submitted prior to startup to become subject to the SC Title V Operating Permit Program.

Interested persons may review the materials drafted and maintained by DHEC for this facility and submit written comments on the draft permit by November 5, 2008, to Fatima Ann Washburn Clark at the above DHEC address. All comments received by November 5, 2008, will be considered when making a decision to approve, disapprove, or modify the draft permit. Where there is a significant amount of public interest, DHEC may hold a public hearing to receive additional comments. Public hearing requests should be made in writing to Karen Lee at the above DHEC address or by e-mail at: leeka@dhec.sc.gov. If a public hearing is requested and scheduled, notice will be given in this newspaper thirty (30) days in advance. A final review request (appeal) may be filed after a permit decision has been made. Information regarding final review procedures is available from DHEC's legal office at the above address or by calling (803) 898-3350. Information relative to the draft permit will be made available for review through November 5, 2008, at the DHEC Columbia Office listed above and at the following location:

SC DHEC, Region 5 Aiken EQC Office, 206 Beaufort Street, Northeast, Aiken SC 29801 at (803) 641-7670

**The BAQ maintains a county- based mailing list for persons interested in receiving notification of BAQ public notice actions. If you would like to be added to this list, please submit a request with your name, address, and counties of interest to Karen Lee at the above DHEC address or e-mail.** Information on permit decisions and hearing procedures is available by contacting DHEC at either address listed above. Copies of a draft permit or other related documents may be requested in writing at a \$.25 per page charge. Please bring this notice to the attention of persons you know will be interested in this matter.

This public notice may be viewed through November 5, 2008, on DHEC's website at:

<http://www.scdhec.gov/environment/baq/eqpnbaq.aspx>